

IFW

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the Application of: **Yasuaki KOHAMA et al.**

Group Art Unit:

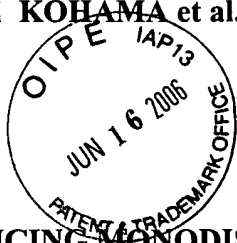
Application Number: **10/572,375**

Examiner:

Filed: **March 16, 2006**

Confirmation Number:

For: **METHOD FOR PRODUCING MONODISPERSE BUBBLES**



Attorney Docket Number: **062270**

Customer Number: **38834**

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §1.97(b)**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

June 16, 2006

Sir:

In compliance with 37 C.F.R. §1.56, Applicants direct the attention of the Patent and Trademark Office to the documents listed on the attached PTO/SB/08. This paper is being filed within the time periods set forth in 37 C.F.R. §1.97(b). A copy of each non-U.S. document is enclosed herewith.

If there are any fees due in connection with the filing of this paper, please charge Deposit Account No. 50-2866.

Respectfully submitted,

**WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP**

  
Stephen G. Adrian

Attorney for Applicants

Registration No. 32,878

Telephone: (202) 822-1100

Facsimile: (202) 822-1111

SGA/arf

Enclosures: PTO/SB/08  
7 Documents

Combined Form PTO/SB/08A&B			Complete if Known	
<b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>			Application Number	10/572,375
			Confirmation Number	
			Filing Date	March 16, 2006
			First Named Inventor	Yasuaki KOHAMA et al.
			Art Unit	
			Examiner Name	
Sheet 1 of 1		Attorney Docket Number	062270	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>	
	1	JONG-YUN KIM et al., "Zeta Potential of Nanobubbles Generated by Ultrasonication in Aqueous Alkyl Polyglycoside Solutions", Journal of Colloid and Interface Science 223, 285-291 (2000)		
	2	SUNG-HO CHO et al., "Ultrasonic formation of Nanobubbles and their Zeta-Potentials in Aqueous Electrolyte and Surfactant Solutions", Colliods and Surfaces A: Physicochem. Eng. Aspects 269 (2005) 28-34		
	3	BRIAN E. OEFFINGER et. al., "Development and Characterization of a Nano-Scale contrast Agent", Ultrasonics 42 (2004) 343-347		
	4	ALFONSO M. GANAN-CALVO et al., "Perfectly Monodisperse Microbubbling by Capillary Flow Focusing", Physical Review Letters, vol. 87, No. 27, 2001, pp 274501-1 – 274501-4		
	5	MOTOHIRO YASUNO et al., "Monodispersed Microbubble Formation Using Microchannel Technique, AICH Journal, December 2004, vol. 50, No., 12, pp 3227-3233		
	6	MASAYOSHI TAKAHASHI et al., "Effect of Shrinking Microbubble on Gas Hydrate Formation, The Journal of Physical Chemistry B, vol. 107, No. 10, March 2003, pp 2171-2173		
	7	C. MARTINEZ-BAZAN et al., "On the Breakup of an Air Bubble Injected into a Fully Developed Turbulent Flow. Part 2. Size PDF of the Resulting Daughter Bubbles, J. Fluid Mech. (1999), vol. 401, pp 183-207		
Examiner Signature			Date Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.